

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
 Data File : VY014127.D
 Acq On : 12 Jun 2023 17:53
 Operator : KP/MD
 Sample : 03141-03
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CMC-EME-Topsoil-003

Quant Time: Jun 13 05:44:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 09 18:07:13 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

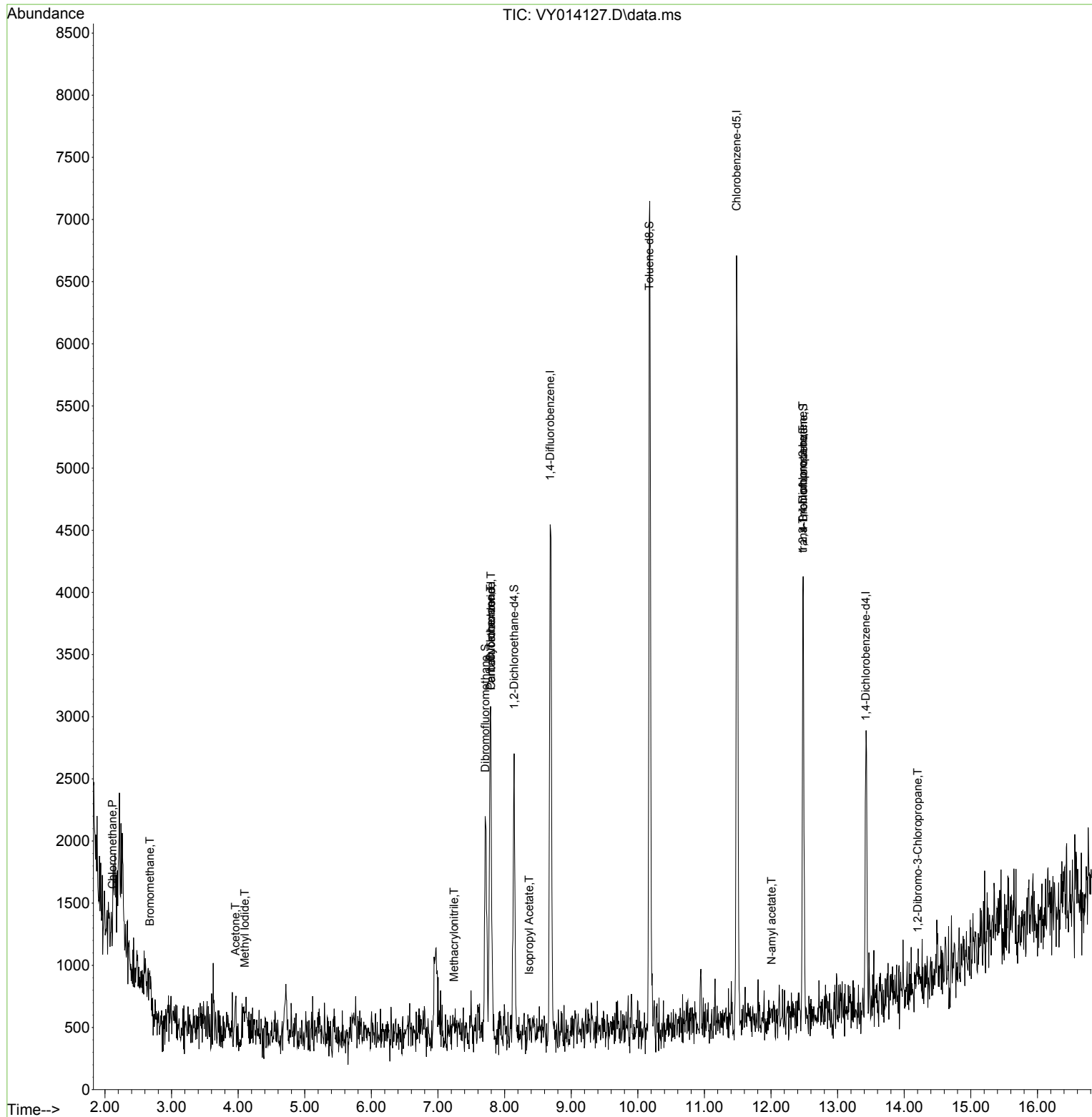
Internal Standards						
1) Pentafluorobenzene	7.795	168	2639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	4344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	3588	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	772	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	1811	49.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.560%
35) Dibromofluoromethane	7.710	113	1252	40.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.280%
50) Toluene-d8	10.173	98	4601	39.948	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	79.900%
62) 4-Bromofluorobenzene	12.483	95	1044	25.518	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	51.040%
Target Compounds						Qvalue
3) Chloromethane	2.113	50	155	4.156	ug/l #	43
5) Bromomethane	2.674	94	163	5.449	ug/l #	2
10) Methyl Iodide	4.101	142	343	8.738	ug/l #	66
16) Acetone	3.960	43	89	8.035	ug/l #	46
20) Methylene Chloride	4.710	84	117	Below Cal	#	62
31) Cyclohexane	7.789	56	61	1.239	ug/l #	20
38) Carbon Tetrachloride	7.795	117	74	1.335	ug/l #	12
41) Methacrylonitrile	7.240	41	27	1.596	ug/l #	17
43) Isopropyl Acetate	8.368	43	62	1.067	ug/l #	55
74) N-amyl acetate	12.008	43	39	2.090	ug/l #	46
76) 1,2,3-Trichloropropane	12.477	75	609	60.128	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	609	129.973	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.202	75	21	8.380	ug/l #	3

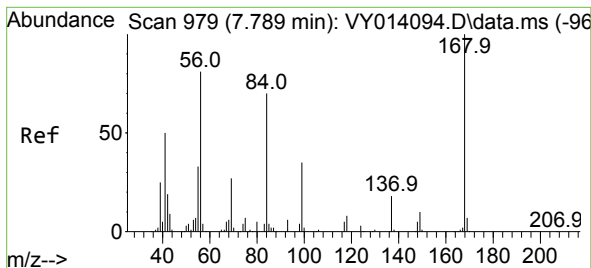
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061223\
Data File : VY014127.D
Acq On : 12 Jun 2023 17:53
Operator : KP/MD
Sample : 03141-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

Quant Time: Jun 13 05:44:57 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060923S.M
Quant Title : SW846 8260
QLast Update : Fri Jun 09 18:07:13 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.795 min Scan# 91

Delta R.T. 0.006 min

Lab File: VY014127.D

Acq: 12 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

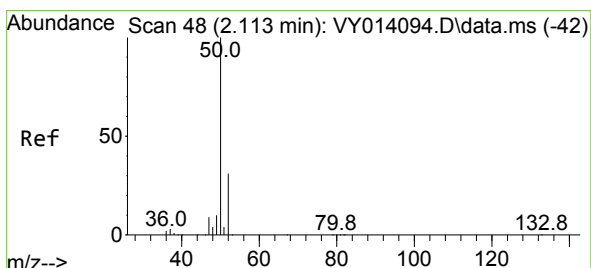
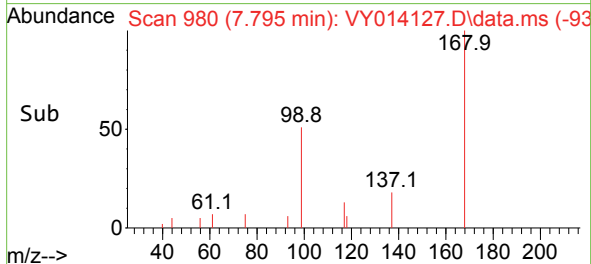
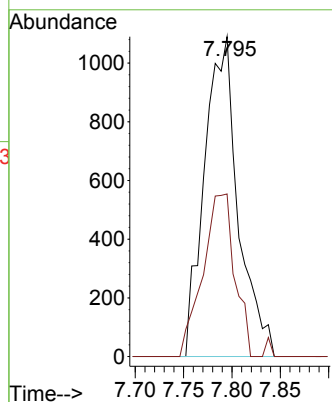
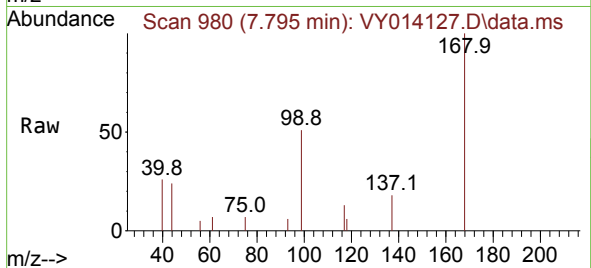
CMC-EME-Topsoil-003

Tgt Ion:168 Resp: 2639

Ion Ratio Lower Upper

168 100

99 50.8 43.4 65.0



#3

Chloromethane

Concen: 4.156 ug/l

RT: 2.113 min Scan# 48

Delta R.T. 0.000 min

Lab File: VY014127.D

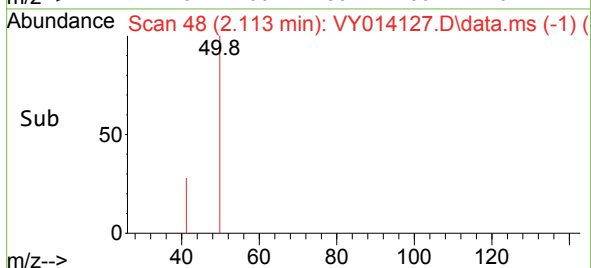
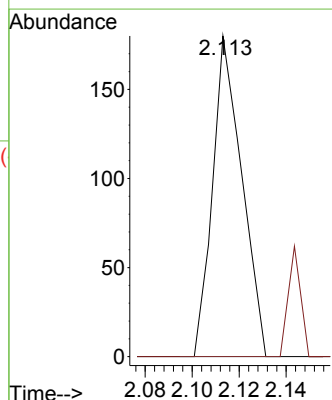
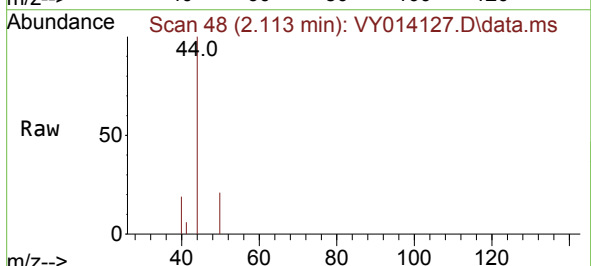
Acq: 12 Jun 2023 17:53

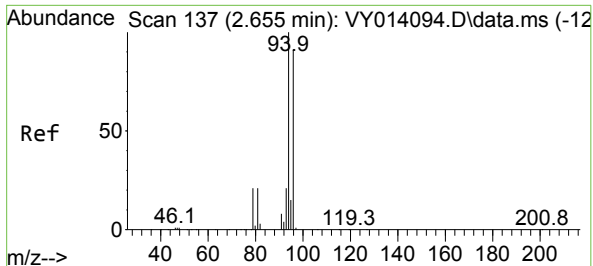
Tgt Ion: 50 Resp: 155

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.2#

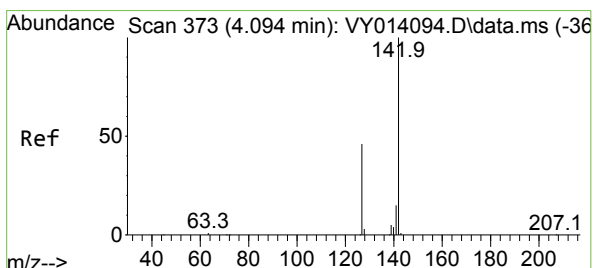
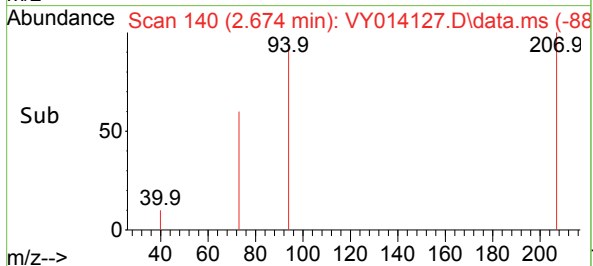
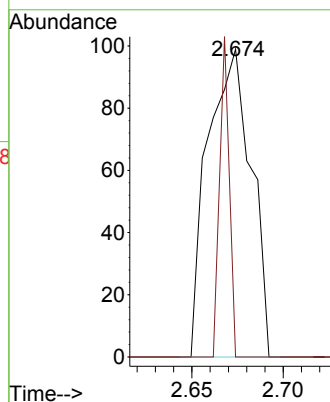
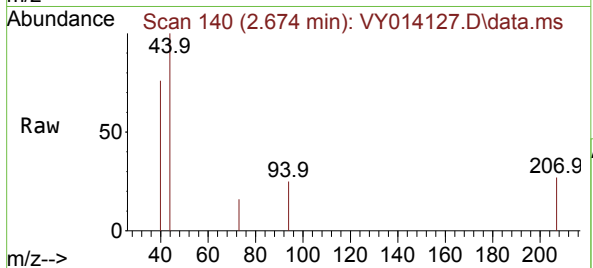




#5
Bromomethane
Concen: 5.449 ug/l
RT: 2.674 min Scan# 14
Delta R.T. 0.019 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

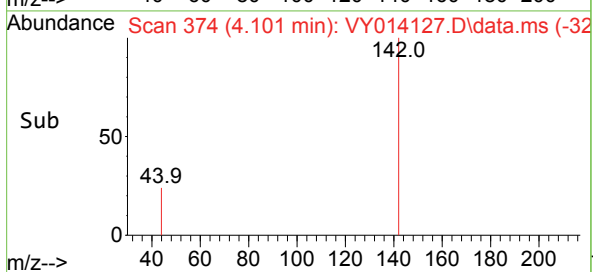
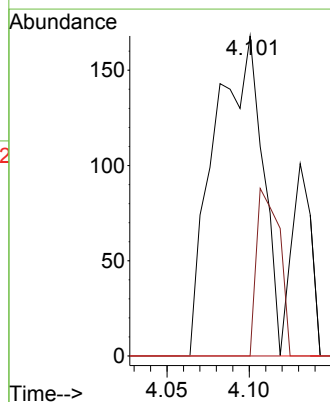
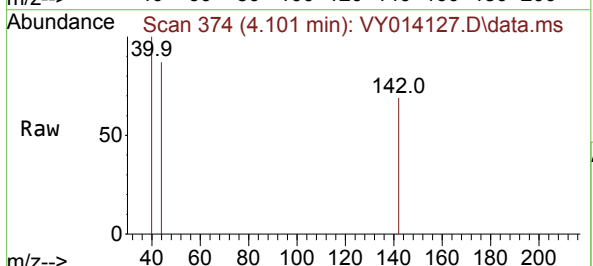
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

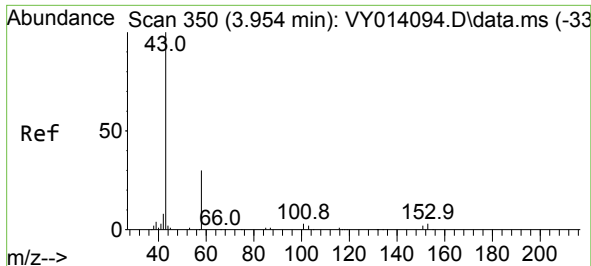
Tgt Ion: 94 Resp: 163
Ion Ratio Lower Upper
94 100
96 0.0 75.8 113.6#



#10
Methyl Iodide
Concen: 8.738 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.006 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion:142 Resp: 343
Ion Ratio Lower Upper
142 100
127 24.8 37.6 56.4#
141 0.0 11.8 17.8#

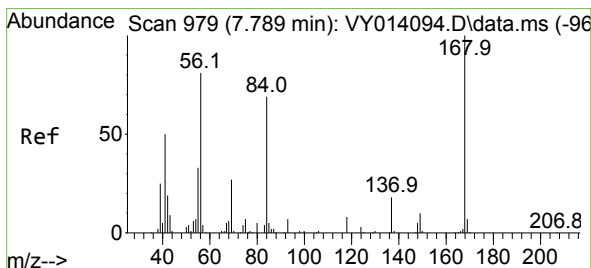
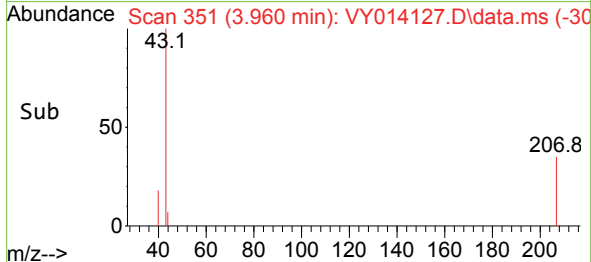
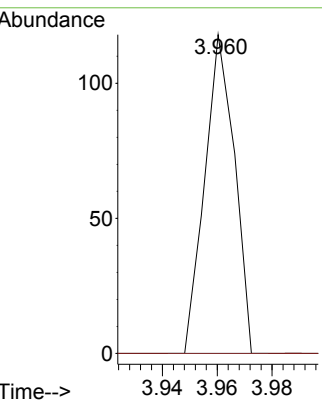
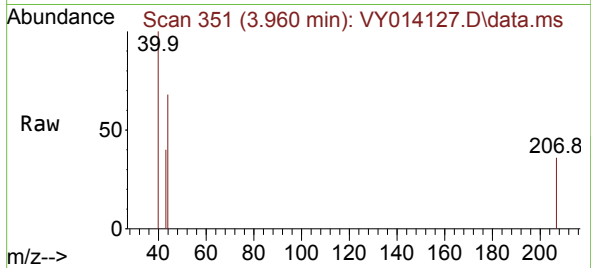




#16
Acetone
Concen: 8.035 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

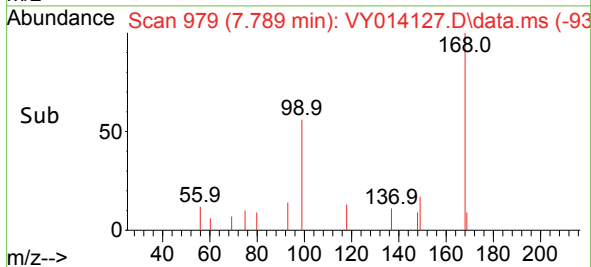
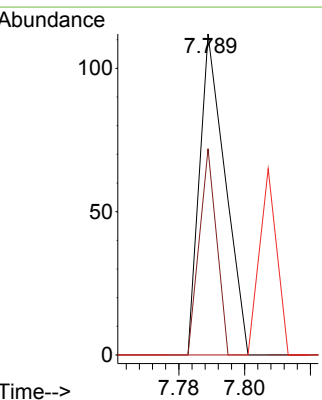
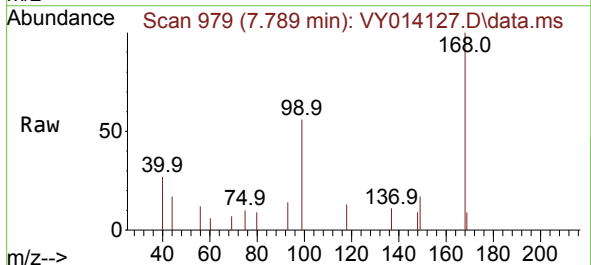
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

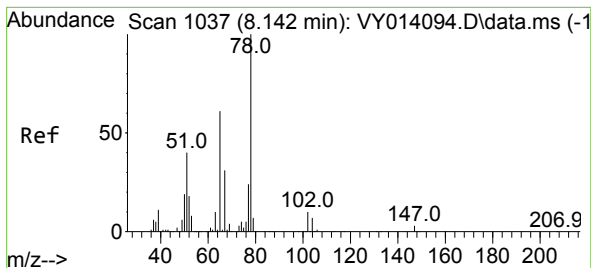
Tgt Ion: 43 Resp: 89
Ion Ratio Lower Upper
43 100
58 0.0 22.7 34.1#



#31
Cyclohexane
Concen: 1.239 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.000 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion: 56 Resp: 61
Ion Ratio Lower Upper
56 100
69 64.3 27.8 41.6#
84 0.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 49.281 ug/l

RT: 8.142 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY014127.D

Acq: 12 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

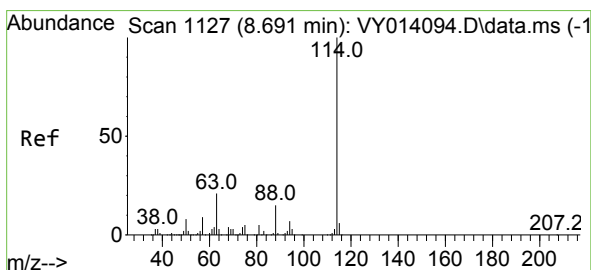
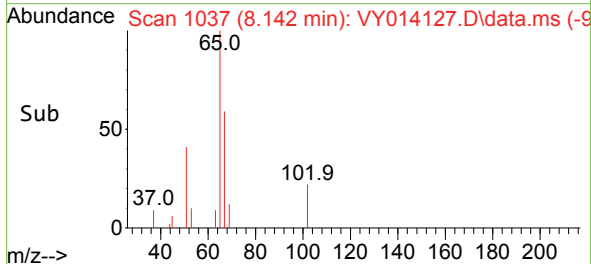
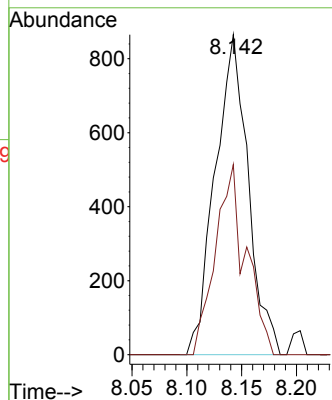
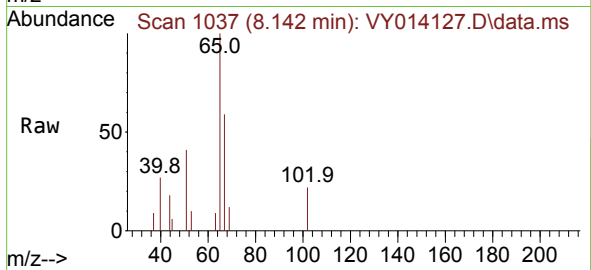
CMC-EME-Topsoil-003

Tgt Ion: 65 Resp: 1811

Ion Ratio Lower Upper

65 100

67 55.0 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY014127.D

Acq: 12 Jun 2023 17:53

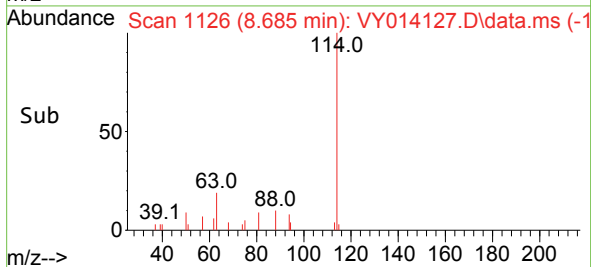
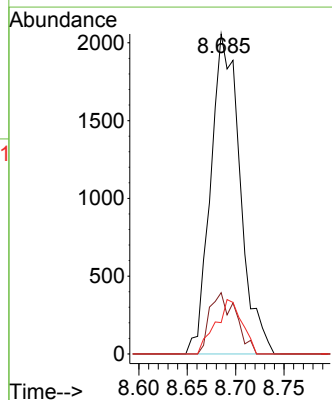
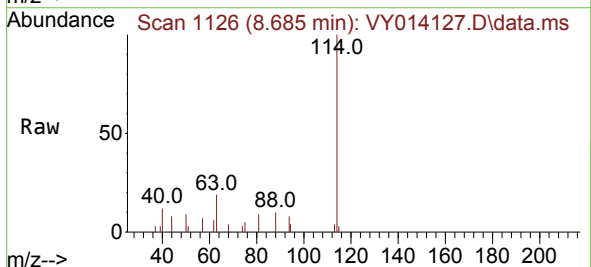
Tgt Ion: 114 Resp: 4344

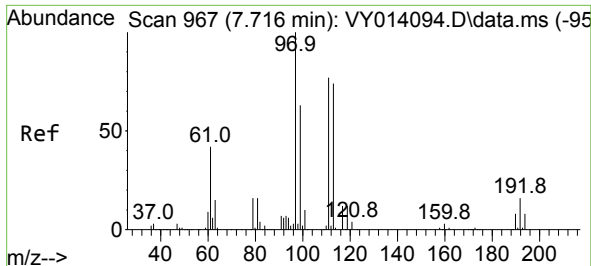
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 9.8 0.0 30.6

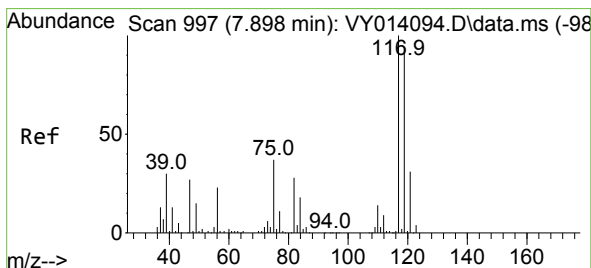
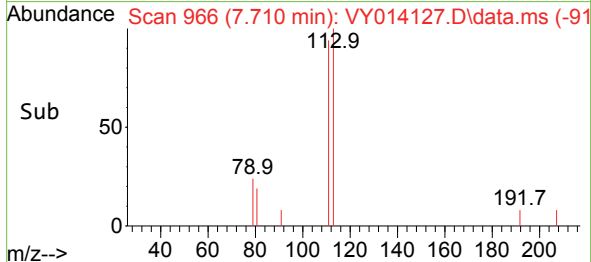
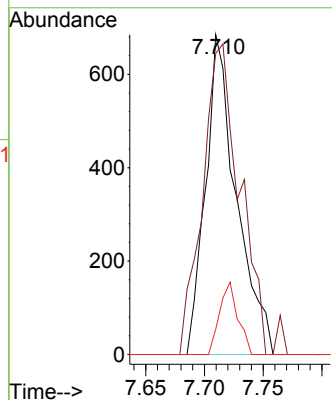
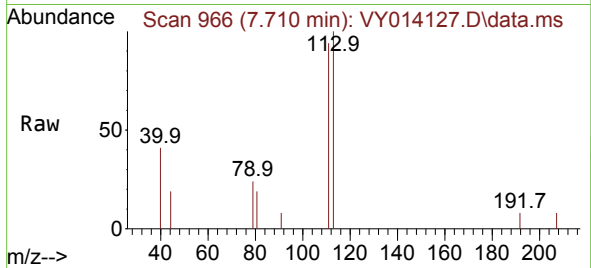




#35
Dibromofluoromethane
Concen: 40.641 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

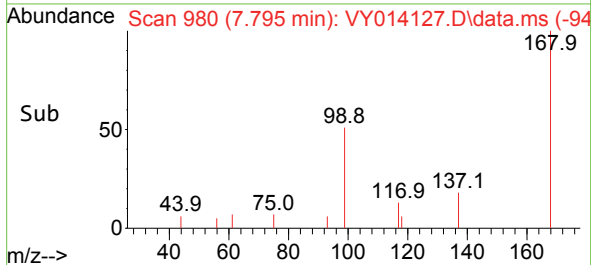
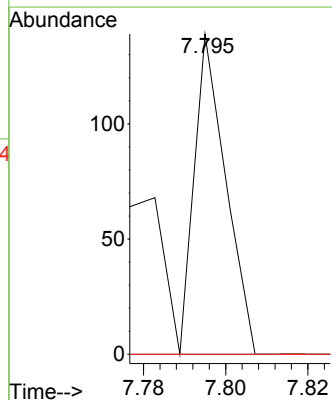
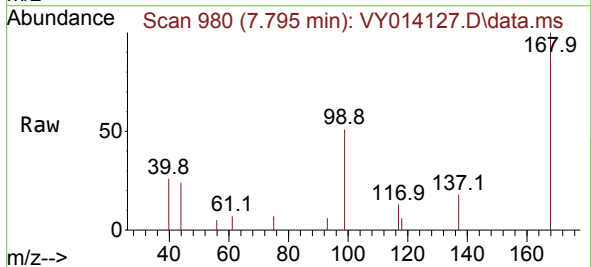
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

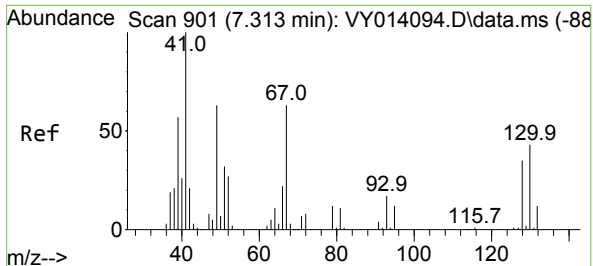
Tgt Ion:113 Resp: 1252
Ion Ratio Lower Upper
113 100
111 116.5 81.3 121.9
192 13.4 16.9 25.3#



#38
Carbon Tetrachloride
Concen: 1.335 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.103 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion:117 Resp: 74
Ion Ratio Lower Upper
117 100
119 0.0 76.4 114.6#
121 0.0 25.8 38.6#

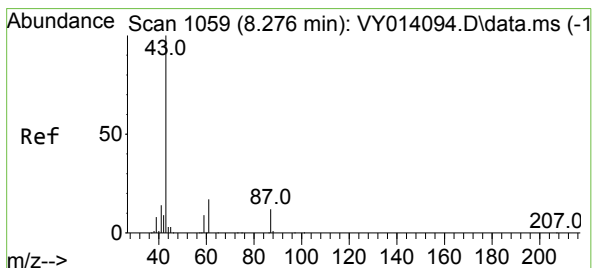
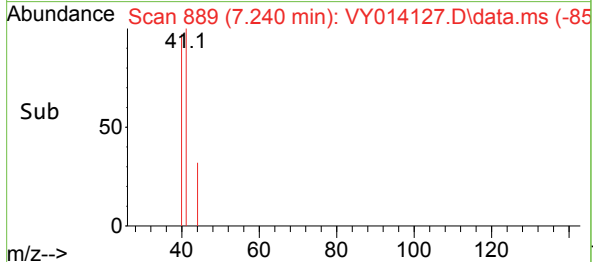
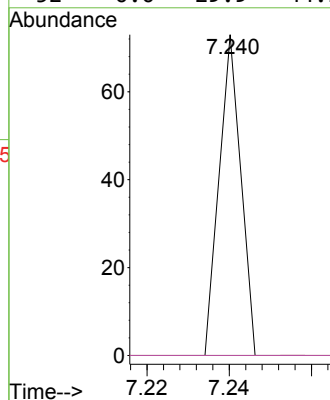
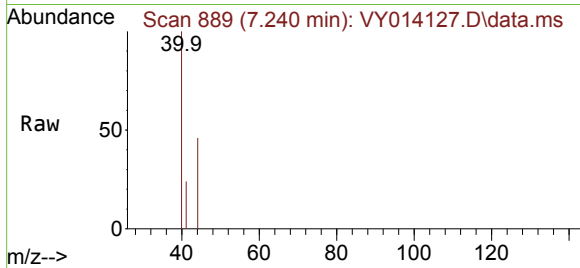




#41
Methacrylonitrile
Concen: 1.596 ug/l
RT: 7.240 min Scan# 81
Delta R.T. -0.073 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

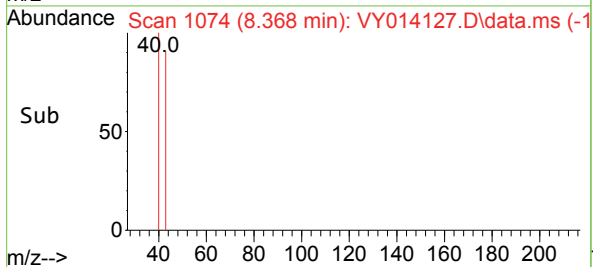
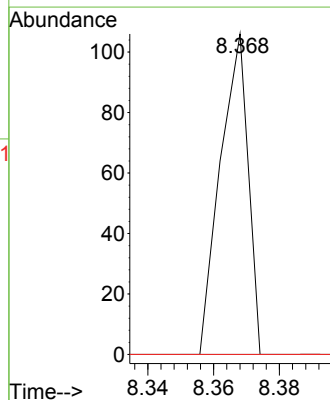
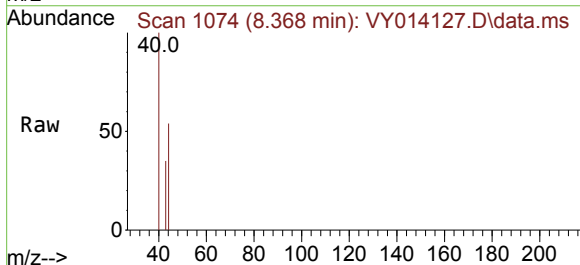
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

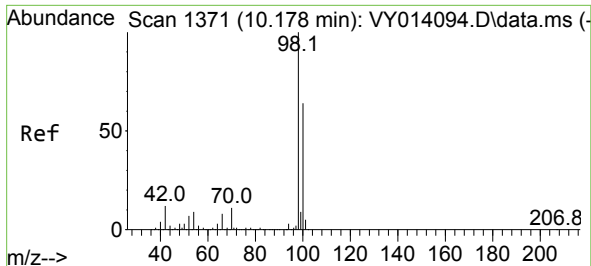
Tgt Ion:	41	Resp:	27
Ion	Ratio	Lower	Upper
41	100		
39	0.0	52.1	78.1#
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#43
Isopropyl Acetate
Concen: 1.067 ug/l
RT: 8.368 min Scan# 1074
Delta R.T. 0.092 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion:	43	Resp:	62
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.1	31.7#
87	0.0	9.8	14.8#

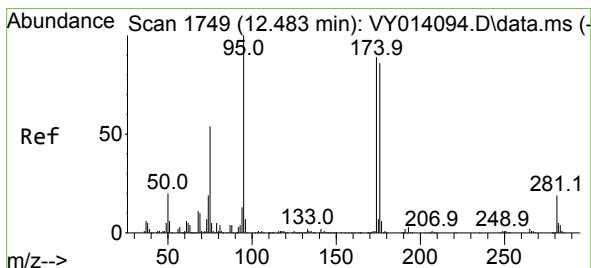
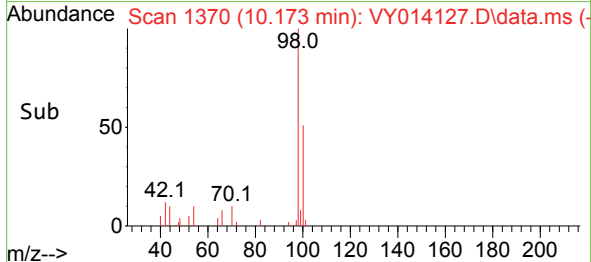
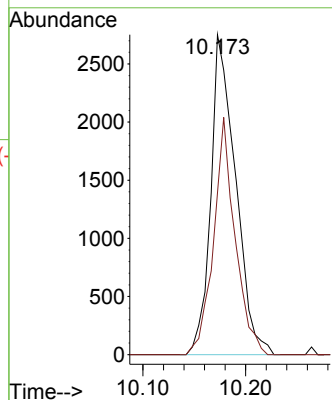
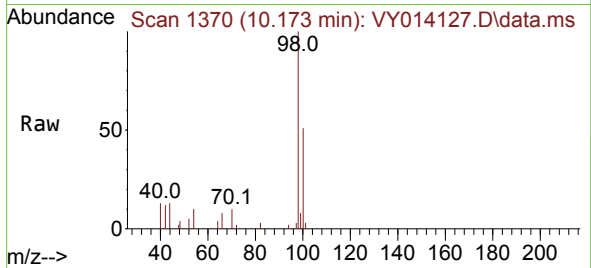




#50
Toluene-d8
Concen: 39.948 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

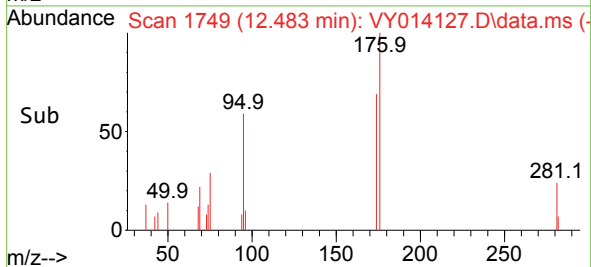
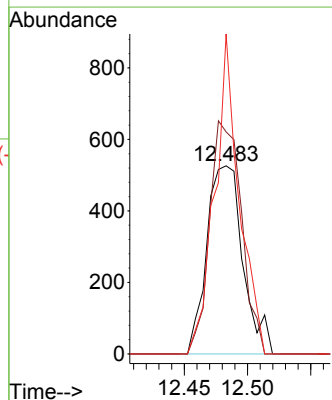
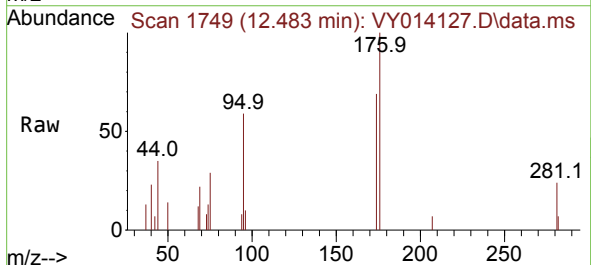
Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

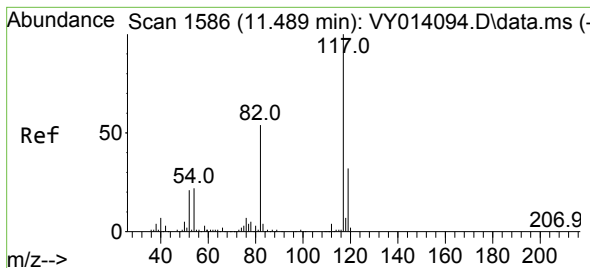
Tgt Ion: 98 Resp: 4601
Ion Ratio Lower Upper
98 100
100 64.4 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 25.518 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion: 95 Resp: 1044
Ion Ratio Lower Upper
95 100
174 109.3 0.0 178.2
176 115.6 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014127.D

Acq: 12 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-003

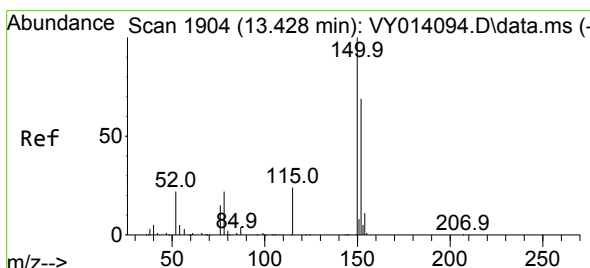
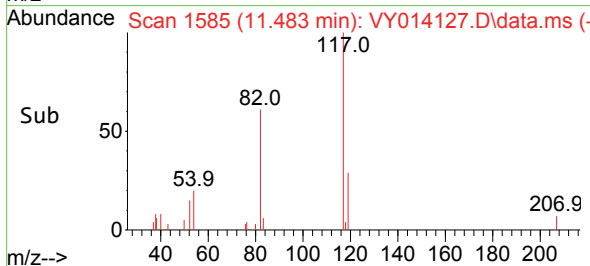
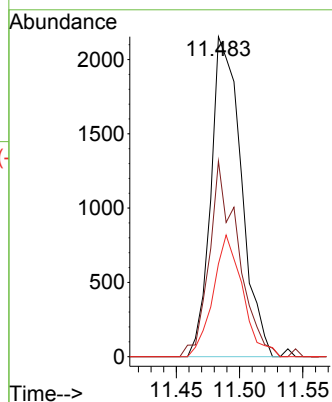
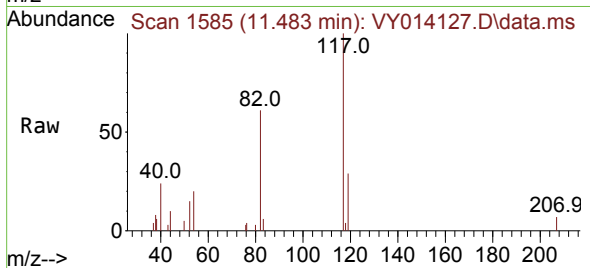
Tgt Ion:117 Resp: 3588

Ion Ratio Lower Upper

117 100

82 61.1 43.4 65.0

119 29.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VY014127.D

Acq: 12 Jun 2023 17:53

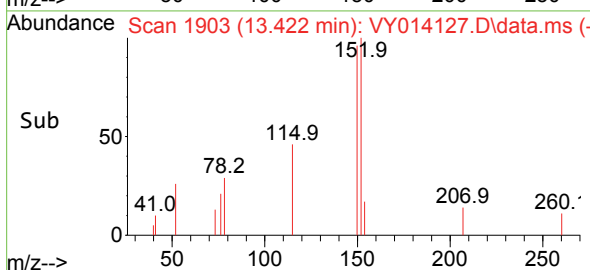
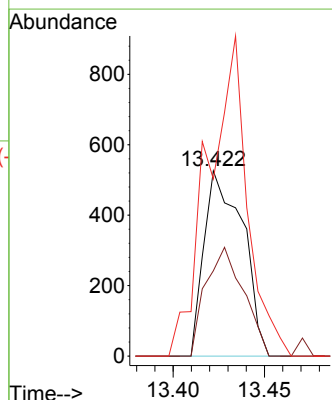
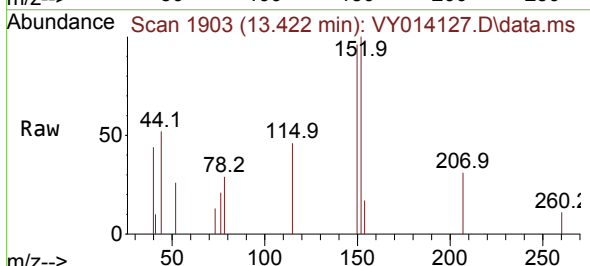
Tgt Ion:152 Resp: 772

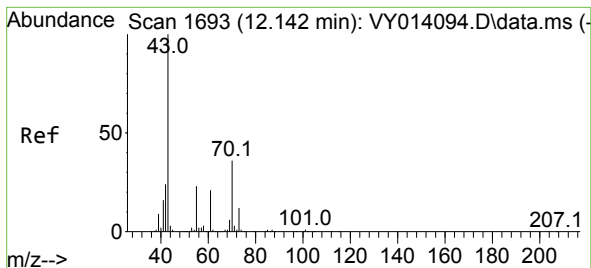
Ion Ratio Lower Upper

152 100

115 57.8 28.8 86.5

150 177.1 0.0 348.8





#74

N-amy1 acetate

Concen: 2.090 ug/l

RT: 12.008 min Scan# 1

Delta R.T. -0.134 min

Lab File: VY014127.D

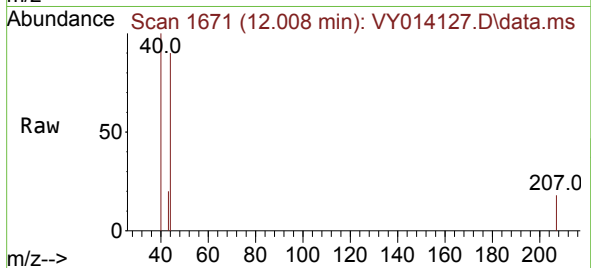
Acq: 12 Jun 2023 17:53

Instrument :

MSVOA_Y

ClientSampleId :

CMC-EME-Topsoil-003



Tgt Ion: 43 Resp: 39

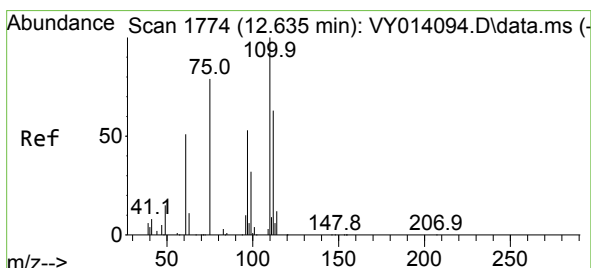
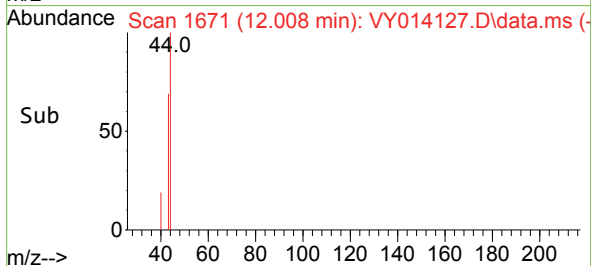
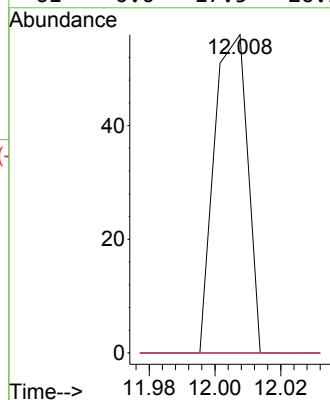
Ion Ratio Lower Upper

43 100

70 0.0 29.7 44.5#

55 0.0 18.3 27.5#

61 0.0 17.5 26.3#



#76

1,2,3-Trichloropropane

Concen: 60.128 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.158 min

Lab File: VY014127.D

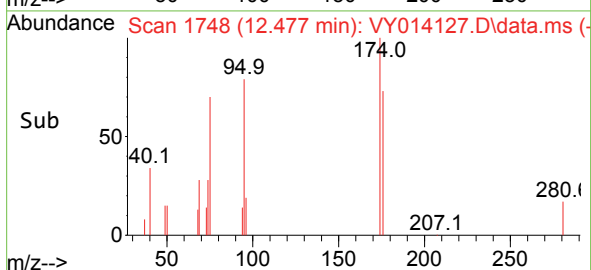
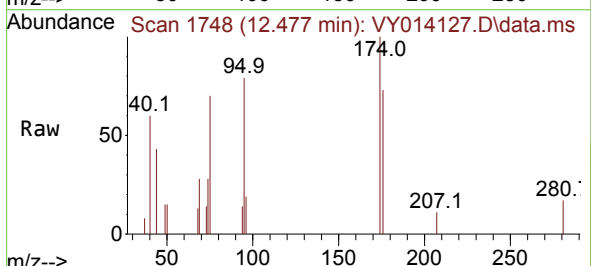
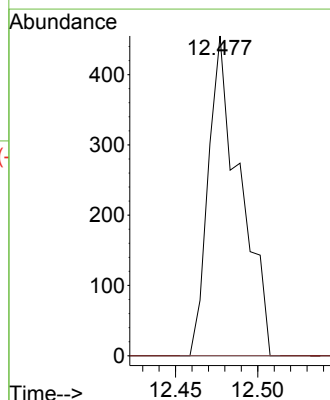
Acq: 12 Jun 2023 17:53

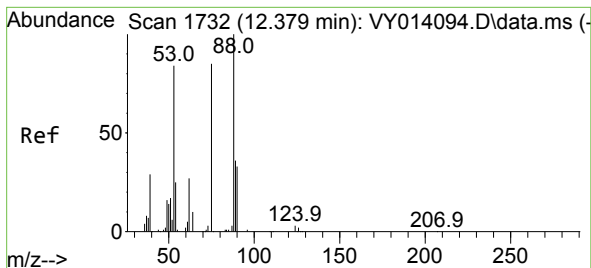
Tgt Ion: 75 Resp: 609

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

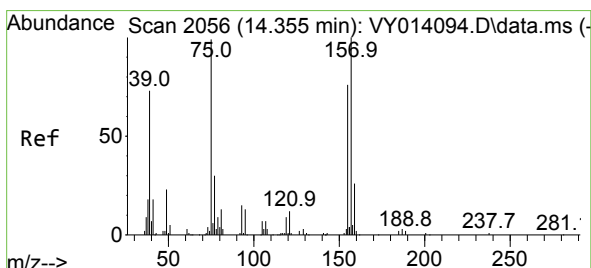
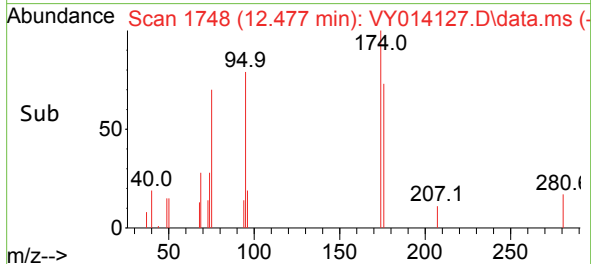
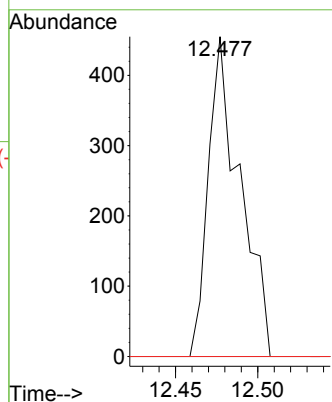
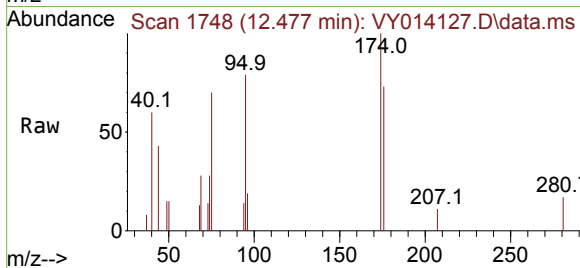




#81
trans-1,4-Dichloro-2-butene
Concen: 129.973 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Instrument :
MSVOA_Y
ClientSampleId :
CMC-EME-Topsoil-003

Tgt Ion: 75 Resp: 609
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#



#92
1,2-Dibromo-3-Chloropropane
Concen: 8.380 ug/l
RT: 14.202 min Scan# 2031
Delta R.T. -0.153 min
Lab File: VY014127.D
Acq: 12 Jun 2023 17:53

Tgt Ion: 75 Resp: 21
Ion Ratio Lower Upper
75 100
155 0.0 41.5 124.6#
157 0.0 51.8 155.5#

